

=> d his

(FILE 'HOME' ENTERED AT 15:30:12 ON 13 NOV 2001)
SET COST OFF

FILE 'REGISTRY' ENTERED AT 15:30:28 ON 13 NOV 2001

E FLUORESCCEIN/CN
L1 1 S E3
SEL RID
L2 10236 S E1
L3 10 S L2 AND AS/ELS
E .BETA.-ALANINE/CN
L4 1 S E3
L5 807 S L2 AND SQL/FA
L6 800 S L5 AND PROTEIN/FS
L7 7 S L5 NOT L6
L8 0 S L2 AND 107-95-9/CRN
E 1,2-ETHANEDITHIOL/CN
L9 1 S E3
E DITHIOTHERITOL/CN
L10 1 S E4
E C4H10O2S2/MF
L11 5 S E3 AND 2 3 BUTANEDIOL
E DIMERCAPTOPROPANESULFONATE/CN
E DIMERCAPTO PROPANESULFONATE/CN
E PROPANESULFONATE/CN

FILE 'HCAPLUS' ENTERED AT 15:36:03 ON 13 NOV 2001

E VALE R/AU
L12 121 S E3,E4,E7-E11
E THRON K/AU
E THORN K/AU
L13 29 S E3-E5,E11,E12
E COOKE R/AU
L14 306 S E3-E20
E COOKE ROGER/AU
L15 116 S E3-E6
E MATUSKA M/AU
L16 4 S E3,E4
E NABER N/AU
L17 21 S E3-E6
L18 570 S L12-L17
L19 3815 S L1
L20 17627 S FLUORESCCEIN
L21 4 S L18 AND L19,L20
L22 2 S L21 AND ?ARSEN?
SEL RN

FILE 'REGISTRY' ENTERED AT 15:39:12 ON 13 NOV 2001

L23 34 S E1-E34
L24 6 S L2 AND L23
L25 2 S L23 AND AS/ELS
L26 7 S L24,L25
L27 27 S L23 NOT L26
L28 3 S L27 AND (6/SQL OR 17/SQL)
L29 2 S L28 NOT NCNC2/ES
L30 6 S L9-L11
L31 3 S L27 AND (C4H10O2S2 OR C3H8O3S3 OR C2H6S2)
L32 7 S L30,L31
L33 4 S L3 AND 2/AS

FILE 'HCAPLUS' ENTERED AT 15:45:28 ON 13 NOV 2001

L34 8 S L33
L35 2 S L34 AND L18
L36 2 S L22,L35
L37 8 S L34-L36

Point of Contact:
Jan Deland
Librarian-Physical Sciences
CM1 1E09 Tel: 308-4498

L38 1 S L37 AND (L4 OR BETA ALANINE)
L39 2 S L37 AND L32
L40 2 S L37 AND L29

FILE 'HCAPLUS' ENTERED AT 15:47:56 ON 13 NOV 2001
S CC..CC/SQSP

L41 FILE 'REGISTRY' ENTERED AT 15:48:03 ON 13 NOV 2001
837 S CC..CC/SQSP

L42 FILE 'HCAPLUS' ENTERED AT 15:48:10 ON 13 NOV 2001
500 S L41
L43 3 S L42 AND L37
L44 8 S L37-L40,L43
L45 57 S L19,L20 AND ?ARSEN?

L46 FILE 'REGISTRY' ENTERED AT 15:49:28 ON 13 NOV 2001
E AS/ELS
65636 S E3 NOT L3

L47 FILE 'HCAPLUS' ENTERED AT 15:49:52 ON 13 NOV 2001
53 S L46 AND L19,L20
L48 76 S L45,L47
L49 3 S L48 AND L42
L50 3 S L48 AND L32
L51 9 S L44,L49,L50
SEL HIT RN

L52 FILE 'REGISTRY' ENTERED AT 15:52:04 ON 13 NOV 2001
48 S E1-E48
L53 5 S L52 AND L1,L2
L54 1 S L52 AND L4
L55 3 S L52 AND L32
L56 39 S L52 NOT L53-L55
L57 4 S L56 AND L41

=> fil reg

FILE 'REGISTRY' ENTERED AT 15:56:19 ON 13 NOV 2001
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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STRUCTURE FILE UPDATES: 12 NOV 2001 HIGHEST RN 369354-32-5
DICTIONARY FILE UPDATES: 12 NOV 2001 HIGHEST RN 369354-32-5

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

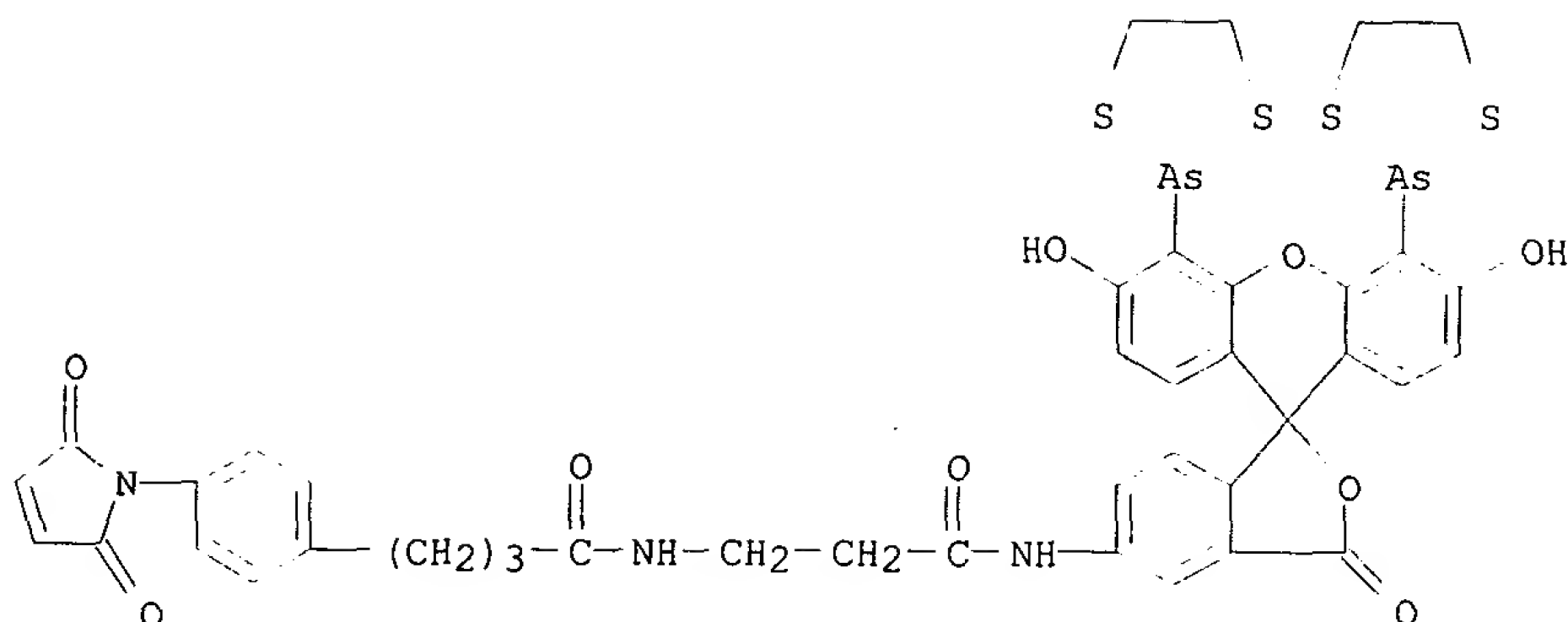
Crossover limits have been increased. See HELP CROSSOVER see
HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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L53 ANSWER 1 OF 5 REGISTRY COPYRIGHT 2001 ACS
RN 311797-39-4 REGISTRY
CN Benzenebutanamide, N-[3-[[4',5'-bis(1,3,2-dithiarsolan-2-yl)-3',6'-
dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen]-5-yl]amino]-3-
oxopropyl]-4-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)- (9CI) (CA INDEX
NAME)

MF C41 H35 As2 N3 O9 S4
 SR CA
 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 134:27295

L53 ANSWER 2 OF 5 REGISTRY COPYRIGHT 2001 ACS

RN 268741-25-9 REGISTRY

CN Propanamide, 3-amino-N-[4',5'-bis(1,3,2-dithiarsolan-2-yl)-3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen]-5-yl]- (9CI) (CA INDEX NAME)

OTHER NAMES:

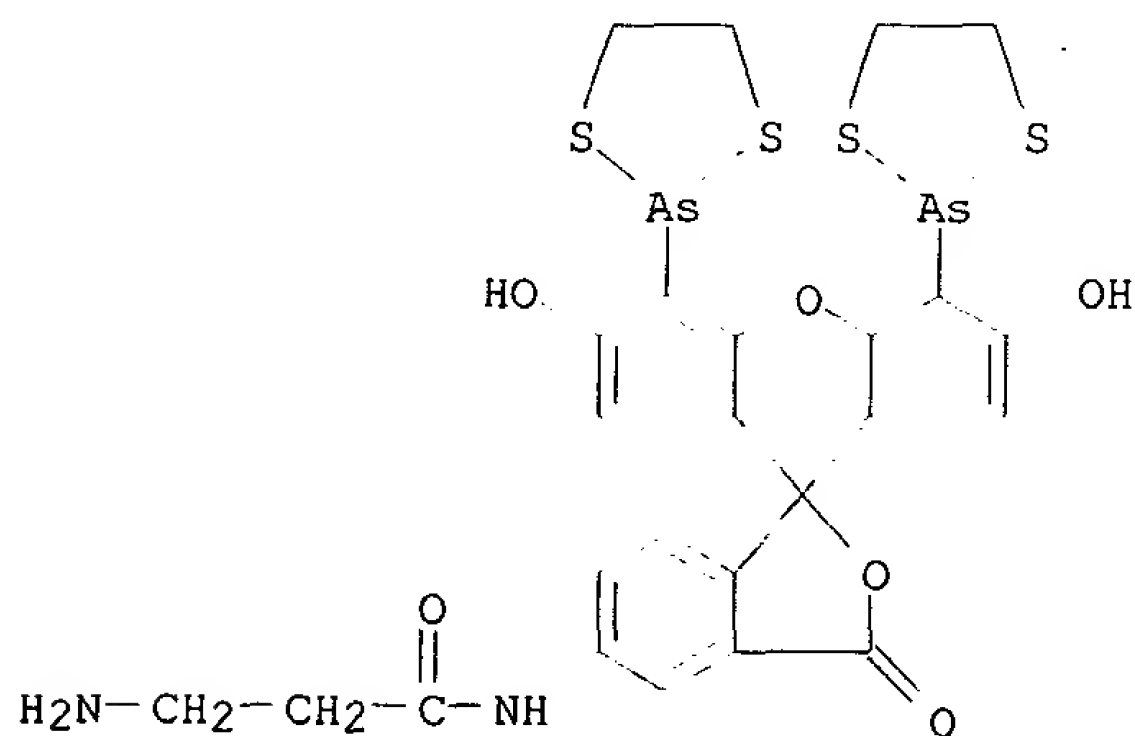
CN 2: PN: WO0153325 PAGE: 49 claimed sequence

CN 3: PN: WO0153325 PAGE: 49 claimed sequence

MF C27 H24 As2 N2 O6 S4

SR CA

LC STN Files: CA, CAPLUS



2 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 3 REFERENCES IN FILE CAPLUS (1967 TO DATE)

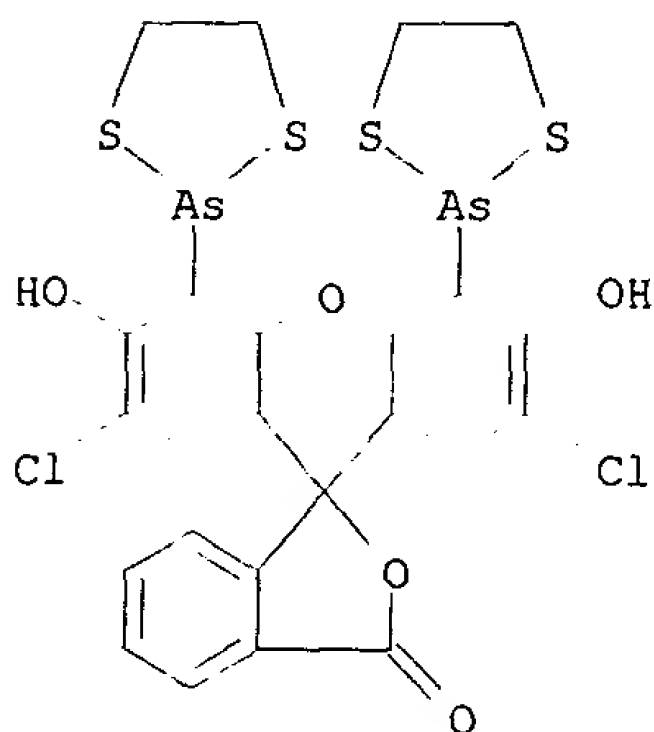
REFERENCE 1: 135:149588

REFERENCE 2: 132:344976

L53 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2001 ACS

RN 223673-83-4 REGISTRY

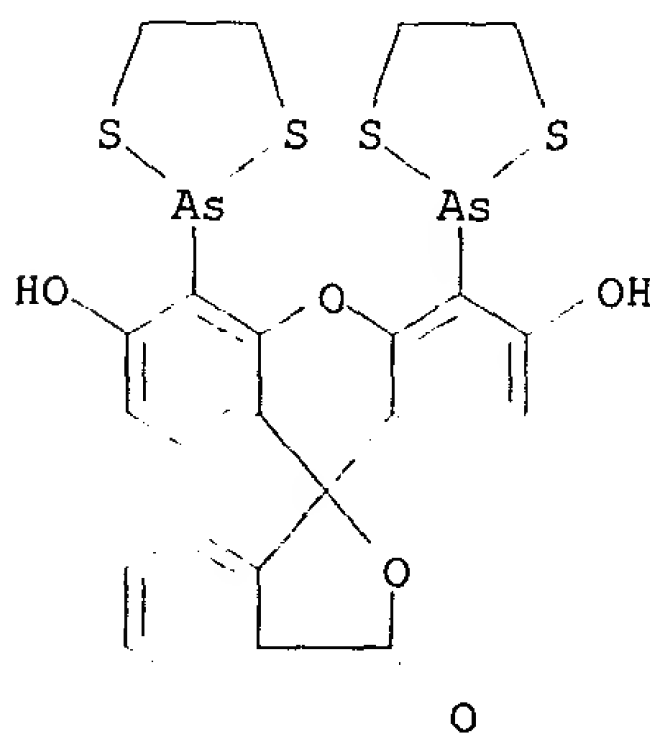
CN Spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 2',7'-dichloro-4',5'-bis(1,3,2-dithiarsolan-2-yl)-3',6'-dihydroxy- (9CI) (CA INDEX NAME)
 MF C24 H16 As2 Cl2 O5 S4
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 130:308804

L53 ANSWER 4 OF 5 REGISTRY COPYRIGHT 2001 ACS
 RN 212118-77-9 REGISTRY
 CN Spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 4',5'-bis(1,3,2-dithiarsolan-2-yl)-3',6'-dihydroxy- (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN FLASH
 CN FLASH-EDT2
 CN Fluorescein arsenical helix binder
 MF C24 H18 As2 O5 S4
 SR CA
 LC STN Files: CA, CAPLUS, TOXLIT, USPATFULL



5 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 5 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 134:175077

REFERENCE 2: 134:66121

REFERENCE 3: 130:308804

REFERENCE 4: 130:150455

REFERENCE 5: 129:200138

L53 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2001 ACS

RN 2321-07-5 REGISTRY

CN Spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 3',6'-dihydroxy- (9CI)
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN **Fluorescein (8CI)**

OTHER NAMES:

CN 3',6'-Dihydroxyfluoran

CN 3',6'-Fluorandiol

CN 3,6-Dihydroxyspiro[xanthene-9,3'-phthalide]

CN 9-(o-Carboxyphenyl)-6-hydroxy-3-isoxanthenone

CN Benzoic acid, 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl)-

CN C.I. 45350:1

CN C.I. Solvent Yellow 94

CN D and C Yellow No. 7

CN Fluorescein acid

CN Japan Yellow 201

CN Japan Yellow No. 201

CN Resorcinolphthalein

CN Solvent Yellow 94

CN Yellow fluorescein

AR 518-45-6

FS 3D CONCORD

DR 126605-73-0, 213880-86-5

MF C20 H12 O5

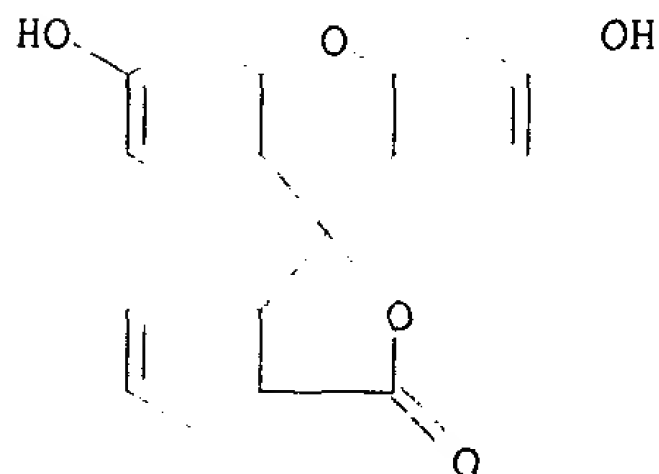
CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, TOXLIT, TULSA, USAN, USPATFULL, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3798 REFERENCES IN FILE CA (1967 TO DATE)

841 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

3809 REFERENCES IN FILE CAPLUS (1967 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 135:312834

REFERENCE 2: 135:310799

REFERENCE 3: 135:302553

REFERENCE 4: 135:300686
REFERENCE 5: 135:300676
REFERENCE 6: 135:300593
REFERENCE 7: 135:300567
REFERENCE 8: 135:300482
REFERENCE 9: 135:300290
REFERENCE 10: 135:299473

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L54 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
RN 107-95-9 REGISTRY
CN .beta.-Alanine (6CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN .beta.-Aminopropanoic acid
CN .beta.-Aminopropionic acid
CN .omega.-Aminopropionic acid
CN 2-Carboxyethylamine
CN 3-Aminopropanoic acid
CN 3-Aminopropionic acid
CN Abufene
CN Propanoic acid, 3-amino-
FS 3D CONCORD
DR 87867-95-6
MF C3 H7 N O2
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CIN, CSCHM, DDFU, DETHERM*, DRUGU, EMBASE,
GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS,
NAPRALERT, NIOSHTIC, PROMT, SPECINFO, SYNTHLINE, TOXLIT, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

$\text{H}_2\text{N}-\text{CH}_2-\text{CH}_2-\text{CO}_2\text{H}$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4873 REFERENCES IN FILE CA (1967 TO DATE)
392 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
4879 REFERENCES IN FILE CAPLUS (1967 TO DATE)
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 135:303277
REFERENCE 2: 135:289030
REFERENCE 3: 135:288559
REFERENCE 4: 135:288105
REFERENCE 5: 135:284379
REFERENCE 6: 135:282370

REFERENCE 7: 135:277460

REFERENCE 8: 135:273221

REFERENCE 9: 135:273175

REFERENCE 10: 135:269042

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L55 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2001 ACS

RN 3483-12-3 REGISTRY

CN 2,3-Butanediol, 1,4-dimercapto-, (2R,3R)-rel- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 2,3-Butanediol, 1,4-dimercapto-, (R*,R*)-

CN Threitol, 1,4-dithio- (7CI, 8CI)

OTHER NAMES:

CN (.+-.)-1,4-Dimercapto-2,3-butanediol

CN (.+-.)-Dithiothreitol

CN 1,4-Dithio-DL-threitol

CN 1,4-Dithiothreitol

CN Cleland's reagent

CN Dithiothreitol

CN DL-1,4-Dimercapto-2,3-dihydroxybutane

CN DL-1,4-Dithiothreitol

CN DL-Dithiothreitol

CN DTT

CN DTT (threitol derivative)

CN rac-Dithiothreitol

CN Reagents, Cleland's

CN Sputolysin

CN threo-1,4-Dimercapto-2,3-butanediol

CN threo-2,3-Dihydroxy-1,4-butanedithiol

CN WR 34678

FS STEREOSEARCH

DR 27565-41-9, 28823-08-7, 214119-27-4

MF C4 H10 O2 S2

CI COM

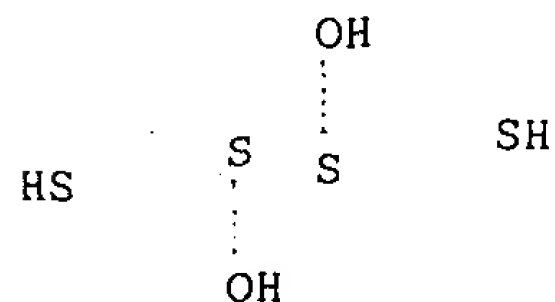
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO, TOXLIT, USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3944 REFERENCES IN FILE CA (1967 TO DATE)

61 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

3951 REFERENCES IN FILE CAPLUS (1967 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 135:300667
REFERENCE 2: 135:296102
REFERENCE 3: 135:288428
REFERENCE 4: 135:287802
REFERENCE 5: 135:285360
REFERENCE 6: 135:284923
REFERENCE 7: 135:284891
REFERENCE 8: 135:284831
REFERENCE 9: 135:282976
REFERENCE 10: 135:280378

L55 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2001 ACS

RN 540-63-6 REGISTRY

CN 1,2-Ethanedithiol (6CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1,2-Dimercaptoethane

CN 1,2-Ethylenedithiol

CN 2-Mercaptoethanethiol

CN a-Ethylene dimercaptan

CN Dithioethylene glycol

CN Dithioglycol

CN Ethylene dimercaptan

CN Ethylene dithioglycol

CN Ethylene glycol, dithio-

CN Ethylenedithiol

CN s-Ethylene dimercaptan

FS 3D CONCORD

MF C2 H6 S2

CI COM

LC STN Files: ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DETHERM*, DIPPR*, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, RTECS*, SPECINFO, SYNTHLINE, TOXLIT, TRCTHERMO*, USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

HS-CH₂-CH₂-SH

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1713 REFERENCES IN FILE CA (1967 TO DATE)

49 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

1714 REFERENCES IN FILE CAPLUS (1967 TO DATE)

34 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 135:303597
REFERENCE 2: 135:289812
REFERENCE 3: 135:288323

REFERENCE 4: 135:257352
 REFERENCE 5: 135:257222
 REFERENCE 6: 135:257182
 REFERENCE 7: 135:256819
 REFERENCE 8: 135:211083
 REFERENCE 9: 135:210601
 REFERENCE 10: 135:195379

L55 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2001 ACS

RN 74-61-3 REGISTRY

CN 1-Propanesulfonic acid, 2,3-dimercapto- (7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN (.+-.)-2,3-Dimercapto-1-propanesulfonic acid

CN 2,3-Dimercapto-1-propanesulfonic acid

CN 2,3-Dimercaptopropanesulfonic acid

CN DL-2,3-Dimercaptopropane-1-sulfonic acid

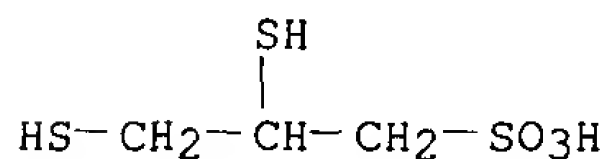
FS 3D CONCORD

DR 88031-93-0

MF C3 H8 O3 S3

CI COM

LC STN Files: ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMINFORMRX, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, IPA, MRCK*, NIOSHTIC, RTECS*, TOXLIT, USPATFULL
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

223 REFERENCES IN FILE CA (1967 TO DATE)

38 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

223 REFERENCES IN FILE CAPLUS (1967 TO DATE)

2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 135:172207
 REFERENCE 2: 135:162413
 REFERENCE 3: 135:149588
 REFERENCE 4: 135:42007
 REFERENCE 5: 135:30115
 REFERENCE 6: 134:306290
 REFERENCE 7: 134:51018
 REFERENCE 8: 133:130988
 REFERENCE 9: 133:85389
 REFERENCE 10: 132:32023

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L57 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2001 ACS
 RN 352206-69-0 REGISTRY
 CN Peptide, (Cys-Cys-Xaa-Xaa-Cys-Cys) (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE
 SQL 6
 NTE

type	location	description
uncommon	Aaa-3	-
uncommon	Aaa-4	-

SEQ 1 CCXXCC
 =====

HITS AT: 1-6
 MF Unspecified
 CI MAN
 SR CA
 LC STN Files: CA, CAPLUS

1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 135:149588

L57 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2001 ACS
 RN 268741-28-2 REGISTRY
 CN L-Alanine, L-tryptophyl-L-.alpha.-glutamyl-L-alanyl-L-alanyl-L-alanyl-L-arginyl-L-.alpha.-glutamyl-L-alanyl-L-cysteinyl-L-cysteinyl-L-arginyl-L-.alpha.-glutamyl-L-cysteinyl-L-cysteinyl-L-alanyl-L-arginyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

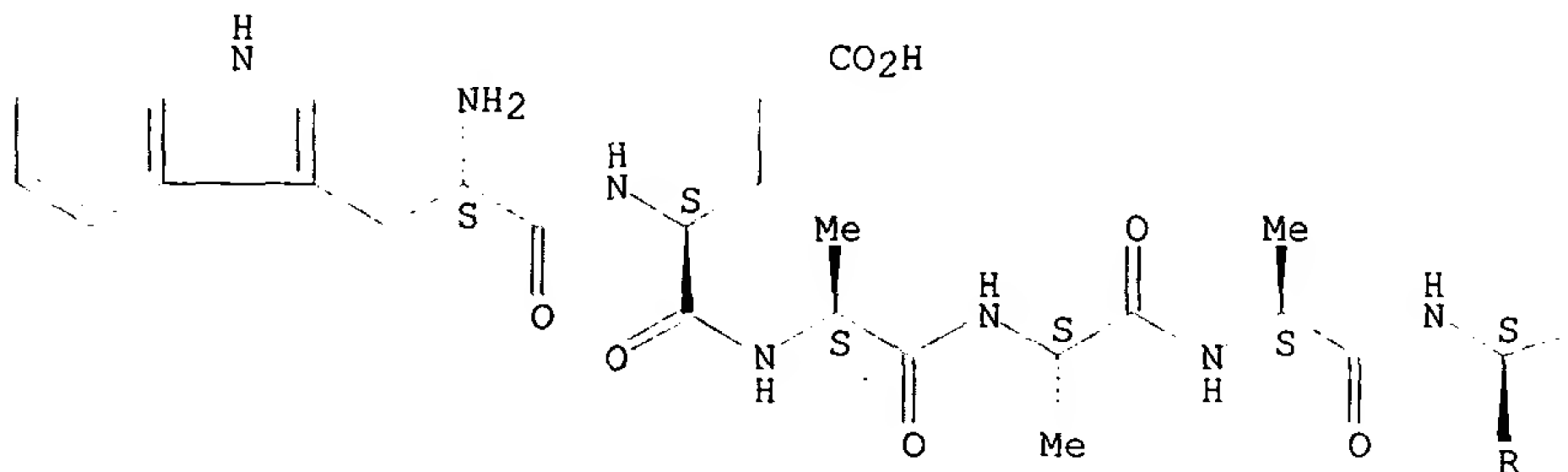
CN 46: PN: WO0114578 PAGE: 38 unclaimed sequence
 CN 4: PN: WO0047220 SEQID: 48 unclaimed sequence
 CN 9: PN: WO0153325 PAGE: 32 claimed sequence
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 17

SEQ 1 WEAAAREACC RECCARA
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HITS AT: 9-14
 MF C74 H119 N27 O24 S4
 SR CA
 LC STN Files: CA, CAPLUS, TOXLIT, USPATFULL

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

